VORLID RESOURCES COMPANY No. 2

Land School Date 11-14-94

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WORLD RESOURCES COMPANY

8113 WEST SHERMAN STREET / PHOENIX, ARIZONA 85043 / (602) 233-9166

NOV 1 6 1994

Mr. Gerald A. Thompson Alaskan Copper Works 628 South Hanford Street Seattle, Washington 98134

Dear Mr. Thompson:

Enclosed is the appropriate copy of the Uniform Hazardous Waste Manifest and the weigh ticket resulting from the transfer of the recyclable materials by your company to World Resources Company (WRC) and the transportation of these recyclable materials to the WRC Recycling Facility in Arizona for the purpose of recovering the metal values therein.

Sincerely,

WORLD RESOURCES COMPANY

Jacke Jah

Manifest Coordinator

Enclosures

Recycled Paper

PO# M37141

V					-		d. OMB No.	
	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's I W A D 9	US EPA ID No.	Manifest Document No. 6, 9, 4, 0, 0,	2. Pa	age 1 Int	ormation in not require	n the shaded areas d by Federal law.
-4,	Generator's Name and Mailing Address ALASKAN COPP 3200 Sixth Aver	nue South	Seattle WA 9	98134		ate Manifes ate Genera		nt Number
4. 5.	Generator's Phone (206) 6 Transporter 1 Company Name	523-5801	6. US EPA ID	Number	C. St	ate Transp	orter's ID	
	ALL WASTE INC		C. A. D. 9. 8. 0.		OD. Tr	ansporter's	Phone (6	12)233-98
7.	Transporter 2 Company Name		8. US EPA ID	Number	and the second second	ate Transpo ansporter's	to the company of the same	
9.	Designated Facility Name and Site Addr World Resource	es Company	10. US EPA ID	Number	G. St	ate Facility	s ID	
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ORIGINAL-RETURN TO GENERATOR

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GENERATOR COPY

Material Safety Data Sheet

F006 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

World Resources Company

8113 West Sherman Street Phoenix, Arizona 85043

Tele: 1-602-233-9166 Fax: 602-936-9164

Issued: 8/7/90 Revised: 9/15/93 - DLS

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night, Call: CHEMTREC 800-424-9300 (Use Chemtrec Company Code "WORR") For calls from other countries call: 202-483-7616 Collect

PRODUCT MATERIAL IDENTIFICATION Section 1

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge DOT Shipping Name: RO, Hazardous waste, solid, n.o.s., (F006)

Environmental Protection Agency (EPA) Waste Classification: F006

Chemical Family: Metallic (Hydroxide) Precipitates Synonym: Non-ferrous Metal Hydroxide Filter Cake

DOT Hazard Class: 9 Packaging Group III DOT Identification Number: NA 3077

DOT Emergency Response Guide 31 Applies

Section 2			HAZAKU	OUS INGREDIENTS
Ingredient:	CAS Number:	Content %:	ACGIH-TLV	Toxicology: (rat, oral)
Copper Hydroxide	20427-59-2	0-30	1.0 mg/mg (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	12054-48-7	0-15	1.0 mg/mg (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0-15	5.0 mg/m3 (Dust)	LD-50 7,340 mg/kg
Diatomaceous Earth	68855-54-9	0-10	6.0 mg/m3 (Dust)	LD-50 3,160 mg/kg
		The same of the sa		

Section 3 PHYSICAL AND REACTIVITY DATA

Description: Solid, Clay-like Clumps,

Gray/Green to Brown,

Water Content 30-80%

Specific Gravity: 1 to 1.4 Solubility: Insoluble in water Density: 64 to 90 lbs/cu/ft

Incompatible Reactivity: None Known

Vapor Pressure: Insignificant Stability: Avoid contact with acids

Polymerization: Will not occur

Boiling Point: Above 2600°C Melting Point: Above 1800°C

pH: 7.0 to 10.0 Odor: Nil

Section 4 FIRE AND EXPLOSION DATA

Flashpoint: Nonflammable

Special Firefighting Procedures: None

Product Decomposition. (Due to Fire or Explosion): None

Oxidation: Non-oxidizing Explosive: Non-explosive

NFPA Fire Diamond



TOXICITY

Section 5

Listed Carcinogen component: Nickel

Toxicology: See Sec. 2 (Nickel Hydroxide)

Route of Entry: Inhalation and Ingestion

HEALTH EFFECTS AND FIRST AID Section 6

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms,

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconcious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems-blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

Section 7 PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The squipment should include eye protection, respirator and

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to

avoid inhalation or ingestion. Store in a dry area under cover from rain. Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World

Resources Company at above address. Section 8 CONTROL MEASURES

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: Coveralls are recommended, but not required.

Eye Protection: Safety Glasses recommended. Rand Protection: Gloves recommended.

Section 9 GENERATORS VERIFICATION

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: 94006 Telephone: (206) 623-58 pate: 11-11-94 recyclable material listed on the attached Manifest Number: 94000 ATASKAN COPPER WORKS south aye. sixth

Senature:

gloves.

AZF-WRC 9/93

MATERIAL IDENTIFICATION

DOT SHIPPING NAME:

Hazardous Waste Solid N.O.S. (F006)

DOT HAZARD CLASS: UN OR NA NUMBER: Class 9 NA 3077 1990 EMERGENCY RESPONSE GUIDE

DOT EMERGENCY RESPONSE GUIDE 31

POTENTIAL HAZARDS

FIRE OR EXPLOSION

Some of these material may burn, but none of them ignites readily.

HEALTH HAZARDS

Contact may cause burns to skin and eyes.

Fire may produce irritating or poisonous gases.

Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Keep unnecessary people away.

Isolate hazard area and deny entry.

Self-contained breathing apparatus (SCBA) and structural firefighters,s protective clothing will provide limited protection.

CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE. (Use Chemtrec Company Code "WORR") If water pollution occurs, notify the appropriate authorities.

FIRE

Small Fires: Dry chemical, CO2, Halon, water spray or standard foam.

Large fires: Water spray, fog or standard foam is recommended.

Move container from fire area if you can do it without risk.

Do not scatter spilled material with high-pressure water streams.

Dike fire control water for later disposal.

SPILL OR LEAK

Stop leak if you can do it without risk.

Small Dry Spills: With clean shovel place material into clean, dry container and cover, move containers from spill area.

Small spill: Take up with sand or other noncombustible absorbent material and place into containers for disposal.

Large Spills: Dike far ahead of liquid spill for later disdosal.

Cover powder spill wiuth plastic sheet or tarp to minimizing spreaing.

FIRST AID

In case of contact with material, immediatly flush eyes with running water for at least 15 minutes.

Wash skin with soap and water.

Remove and isolate contaminated clothing and shoes at the site.

NOTE: If this response guide is	used as an attachment for shipping documents,	enter shipping
manifest number in block below.		1
	WAD980738546_94006	
		_
	(Shipping Manifest Number)	

NOTICE

TO:

World Resource Company

8112 West Sherman Street Phoenix, Arizona 85043

From: Alaskan Copper Works

628 South Hanford Street Seattle, Washington 98134

SUBJECT: Land Disposal Restriction Notice

Manifest Number:	94006	
Date of Shipment:	11-11-94	

This shipment of material, which is being provided for recycling, is subject to the land disposal restrictions of 40 CFR, Part 268, Subpart D or the prohibitions specified in 268.32 or RCRA 3004(d). The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR 268.7 and is shown below:

EPA Material	PA Material Regulated		Treatability	Treatment Standards			
Number	Constituent		Group	CFR Reference	Prohibition Level		
F006	N/A	N/A	Nonwastewater	40 CFR 268.41 40 CFR 268.43			
	e .			· .	. 42		

By:

Gerald A. Thompson

Alaskan Copper Environmental Assistant